

**** SPEAR Maintenance 3/22-23/04 ****

:(Artemis

			Dur.	Mon	Tues
RSWCF:	SLM wall plug	Ringwall		x	x
Outages:					
SPEAR:	Lock up and Search Test kicker pulsed supplies (spear)		3		2:00pm 4:00pm
BL:					
	Rinstall the BL 2 pinhole.	JR and Curtis	2	x	
Facilities:					
Controls:					
Electrical:					
1.	Kicker Pulser Compensation Board Install	Taylor; Rafael; Sebek; Wachter	8	X	
	Test	Pappas	3		X Tues evening
2.	Parallel Processor: Crate 3 and 4 install digital control board and cable	Wachter	2		

**** SPEAR Maintenance 3/22-23/04 ****

3.	parallel processors, BPM timing system re-config. Bldg 132 & 116 time stamp for parallel processors	wachter	12		
4.	Injection kicker tripped on crowbar fault	Taylor, Johnson	2		
5.	Ion gauge readouts - 11G-IG-TSP3 and 12G-IG-BL06, 12G-IG-TSP2 and 13G-IG-BL05, 06G-IG-BL07 and 06S-IG1	Ortiz	4		
6.	Booster access for: - White circuit CAP inspection - Kicker crowbar inspection - Calibrate new white circuit interface board (requires booster lock out)	Rafael	3 2 4	X X Evening PS Test	Morning
	MECHANICAL:				
1.	Mechanical inspections	Eddie Guerra)	.5	X	
2.	Insertion Devices:...				
	<ul style="list-style-type: none"> Reestablish gap limiting hard stops and limit on 4&7 IDs BL-5 Insertion device checkout EPU #2 repair LVDT BL-11 Insertion device cover BL-5 Insertion Device, install side covers Poling 	Ernst Ernst Poling Poling	8 4 16 4	x x	 x x x
3.	LION, Install LION test cable in Quadrant 3	Ernst	8	x	
5.	Move BL1-0 Vat-Valve panel for better access	Woodcock	2		
6.	Install LCW onto DCCT	DiMattia	2	X	

**** SPEAR Maintenance 3/22-23/04 ****

7.	Replace 9S 1" strainer screen to 40 mesh	Woodcock	2	X	
8.	LCW, check flows on selected 50Q, BM1, BM2, and absorber circuits	G. Woodcock, J. Guerra	4	X	
9.	SPEAR - install S4 phase II shielding	MSG, Boyce		x	X
10.	Install 7 remaining step up plates	Anzur	3	x	
12.	Inspect magnet busses in SPEAR	(Dell'Orco, MSG)			
13.	Perform vibration measurements on magnets/girders	(Dell'Orco)			(Monday 6 pm)
14.	Inspect Linac/Booster/BTS magnets	(Dell'Orco, Ernst)		x	
	Postponed from previous maintenance day:				
8.	HCW-- Install new chemical automatic feed pump by	Shin, SEM	4		
9	Plug misc. cracks between shielding blocks in the ring	MSG, Scott			
	RF:				
	Vacuum:				
1.	SP3: Ring walkthrough, visual inspection of Accelerator and BL vacuum systems.	Pak, Wiertel	.5		
2.	SP3: Support EDM efforts to resolve ion gauge readback errors.	Pak, Morales, EDM	6		

**** SPEAR Maintenance 3/22-23/04 ****

3.	SP3: Design IP and IG protective covers at several bend magnet "crawl-over" areas in the ring.	Anzur, Morales, Pak	1		
4.	SP3: Setup RGA at 14G, take initial data scans.	Morales, Pak, vendor, Raby	6		
5.	Injector BTS: Repair vacuum leak at rubber tubing joint.	Nalls, Pak	3		
6.	BL1: Support MSG effort to move 1-0 IV1 pneumatic panel control to SPEAR3 aisle side.	Wiertel, Bach, MSG	4		
	BL Related:				
7.	BL8, BL10: Cut, reterminate, re-route several long IG cables.	Yott, Wiertel, et al	3		
8.	BL9-1, -2: Evacuate Ar interspaces.	Wiertel, Bach	2		
9.	BL5: SGM installations, prepare for Mar. 25 BL commissioning.	Jacobson, Neal, Wiertel	4		
10.	BL11: Prepare for Mar. 26 BL commissioning.	Jacobson, Neal, Wiertel	3		